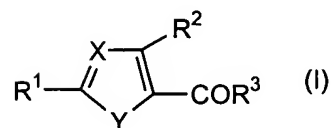


## ABSTRACT

1. A cyclic compound of the formula (I) or a pharmacologically acceptable salt thereof,



wherein X is =CH– or =N–,

Y is –NH–, –NR<sup>4</sup>–, –S–, –O–, –CH=N–, –N=CH–,

–N=N–, –CH=CH–, etc., R<sup>1</sup> is a lower alkoxy group, an amino group, a

heterocyclic ring containing N atom(s), or a hydroxy group substituted by a heterocyclic ring containing N atom(s) (each of which is optionally substituted), R<sup>2</sup> is a lower alkylamino group which is optionally substituted by an aryl group, a lower alkoxy group which is optionally substituted by an aryl group, a lower alkoxy group substituted by an aromatic heterocyclic ring containing N atom(s), R<sup>3</sup> is an aryl group, a heterocyclic ring containing N atom(s), a lower alkyl group, a lower alkoxy group, a cyclo lower alkoxy group, a hydroxy group substituted by a heterocyclic ring containing N atom(s), or an amino group (each of which is optionally substituted), and R<sup>3</sup> and a substituent in Y may be combined to form a lactone ring. The compound of the present invention has excellent selective PDE V inhibitory activity and therefore, is useful as a therapeutic or prophylactic drug for treating various diseases due to functional disorders on cGMP-signaling.